

11 Motor locks, Wheels and Brakes



WARNING

- *After ANY adjustments, repair or service and BEFORE use, make sure that all attaching hardware is tightened securely - otherwise injury or damage may result.*
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CAUTION

- *As with any vehicle, the wheels and tyres should be checked periodically for cracks and wear, and should be replaced.*
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11.1 Disengaging/Engaging Motor Lock Levers

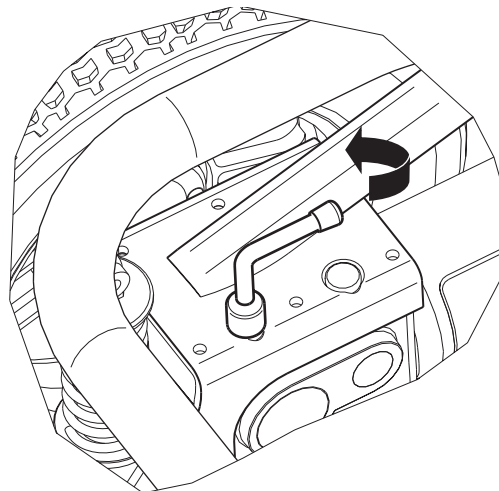


WARNING

- *DO NOT engage or disengage motor locks until the power switch is in the OFF position.*
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1. Perform one (1) of the following:

- Engage (PUSH) - turn motor lock levers towards the rear wheels.
- Disengage (DRIVE) - turn motor lock levers so they are in line with wheel chair frame.



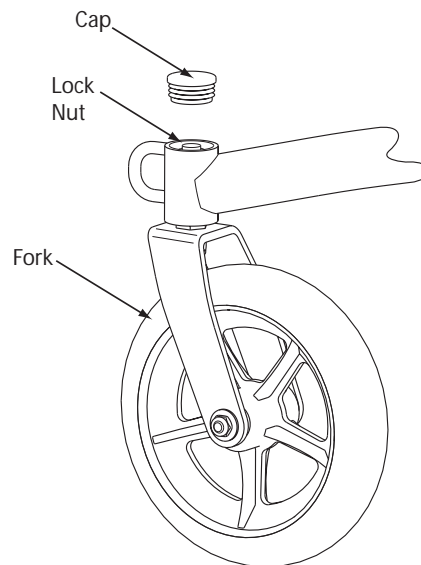


NOTE:

Motor lock disengagement/engagement allows free wheeling or joystick controlled operation. Free wheeling allows an assistant to manoeuvre the wheelchair without power.

11.2 Adjusting Front Castors

1. Remove the headtube cover from the castor headtube.
2. To properly tighten castor journal system and guard against flutter, perform the following check:
 - Tip back the wheelchair to floor.
 - Pivot both forks and castors to top of their arc simultaneously.
 - Let castors drop to bottom of arc (wheels should swing once to one-side, then immediately rest in a straight downward position).
 - Adjust locknuts according to freedom of castor swing.
3. Test wheelchair for manoeuvrability.
4. Readjust locknuts if necessary, and repeat STEPS 1-3 until correct.
5. Snap headtube cover into the castor headtube.



11.3 Drive Wheels

Inflation.

1. Locate air valve and remove air cap.
2. Check the pressure rating marked on the side of the tyre and inflate as necessary.



NOTE:

The recommended inflation pressure is 40 PSI / 280 KPA / 2.8 Bar.



CAUTION

- *Do not over inflate tyres. As with any vehicle, the wheels and tyres should be checked periodically for wear.*
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Removal.

1. Release and remove the central screw using a hex wrench.
 2. Pull the wheel away from the chair. It may be necessary to use some force.
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CAUTION

- *If the wheel rim is to be spilt to change a tyre, it is important that the bolts holding the rim are not released if the tyre is pneumatic and inflated.*
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11.4 Manual Parking Brakes

To Activate Brake.

1. Locate the brake grip handle.
2. Push the brake handle towards the rear of the chair until it engages
3. Repeat for opposite side of chair.

To De-Activate Brake.

1. Locate the brake grip handle.
2. Pull the brake handle towards the front of the chair until it disengages
3. Repeat for opposite side of chair.



CAUTION

- *Tyres must be correctly inflated for maximum brake efficiency.*
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